

## **Firmware Revision Info:**

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### **DMC-18x2 Controller**

#### ***New features for Rev 1.0r & 2.0r April 17, 2009:***

- Added Stop Code 16 for Stepper Position Maintenance Mode
- Added QR command

#### ***New feature for Rev 1.0q & 2.0q December 22, 2006:***

- No new features added

#### ***New feature for Rev 1.0p & 2.0p October 3, 2005:***

- Added Stepper Motor Position Maintenance Mode (<http://www.galilmc.com/support/appnotes/optima/note2445.pdf>)
- Added ECAM with two linear segments (<http://www.galilmc.com/support/appnotes/optima/note2444.pdf>)

#### ***New feature for Rev 1.0o & 2.0o July 6, 2004 :***

- Improved BS command for AMP-540
- Added ELO support. TA3 and CN operand added for abort input application program disable
- Added Ramp to Gearing based on position. Added GD command for Gearing Distance and \_GP returns lost distance
- Position Follower Mode added (PT command)

#### ***New feature for Rev 1.0n & 2.0n December 18, 2003:***

- Added RS-1 functionality to temporarily set controller back to factory defaults without doing a Master Reset
- Added ~a to ~h operands for variable axis designators
- Added AG, AU, AW, BR, QH, and TA for AMP-19540
- Modified BS command for AMP-19540
- Added TK command to set peak motor torque
- Optimized cornering motion profile

- Added bus communication interrupt within IN command

***New feature for Rev 1.0m & 2.0m December 23, 2002:***

- Added LC command to set stepper in low current mode via ampen
- Added BK and SL commands to debug user application programs
- Added GA interrogation
- Added AUTOERR special label
- Added \_RS operand
- Added double read of selective axis abort input
- Special bus interrupts added for new software drivers

***New feature for Rev 1.0l – April 9, 2002:***

- OE and DV can now use "?"
- 1st bank of extended I/O restored for 1800-64
- JP command will no longer inhibit Timer interrupt

***New feature for Rev 1.0k October 21, 2000:***

- Operand \_EO returns the state of echo-on
- Operand \_BV returns the number of axes

***New feature for Rev 1.0j May 15, 2000:***

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***New feature for Rev 1.0i March 8, 2000:***

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***New feature for Rev 1.0h December 8, 1999:***

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***New feature for Rev 1.0e October 21, 1999:***

- ' can start a comment line in an application program
- BZ<time sets the time of the BZ timeout
- Option jumper now causes Motor Off on power up. Note: must have operating system rev 2.0 or higher

***No new features for Rev 1.0b-1.0d***

***New feature for Rev 1.0a June 24, 1999:***

- AD,AP,AV when not running won't generate error